Disk Station DS209j

Economical 2-bay SATA NAS Server for Personal and Home Use

Key Features

- RAID 0/1 Support
- Cool and Quiet
- Power-Saving (15W~36W)

Shipped with Disk Station Manager 2.2 that provides:

- AJAX-Based Management Interface
- BT/FTP/HTTP/eMule/NZB Download without PC
- Music Sharing to other iTunes clients over the network
- Music, Internet Radio, and iPod playback to USB Speakers
- Internet Photo+Video+Blog Sharing
- Sony PS3 and Microsoft Xbox360 Supported

And more...

Synology Disk Station DS209j is designed to provide users with a cost-effective solution to increase productivity. Packed with the Synology Disk Station Manager 2.2, it delivers ease of use and variety of features. Furthermore, the optional Synology 2.5" Disk Holder provides an easy way for users to deploy 2.5" hard drives on the DS209j, bringing the library quietness, power saving, and higher reliability for the DS209j.

Multimedia & Entertainment

Synology Download Station 2 functions as a 24x7 BitTorrent, FTP, HTTP, eMule, and NZB download center. The newly-integrated eMule download engine allows search-n-download capability with a web-browser without installing additional desktop applications.

Synology Audio Station supports music, Internet radio stations, and iPod playback with connected USB speakers. An optional direction-free Synology Remote allows you to freely enjoy your music. Web-streaming mode allows your music to be shared with multiple users over the Internet.

UPnP support allows users to stream multimedia files with an UPnP Digital Media Adapter (DMA) on a stereo system or a TV-set. Sony PS3 and Microsoft Xbox360 are also supported.

iTunes Server is an easy way to share music to other iTunes clients over the network. Password protection prevents unauthorized sharing.

Easy Storage & Backup

USBCopy provides a plug-n-save solution to store data. With just one touch on the Copy button, it quickly backs up the data on an USB storage device to the pre-defined location on the Synology Disk Station.

Synology Data Replicator 3 allows Windows users to back up desktop data to the Synology Disk Station. Immediate, Sync, and Scheduled Backup are fully-supported.

The Network Recycle Bin ensures all deleted files are recoverable from the recycle bin.

Internet Sharing

Synology Photo Station 3 simplifies photo, video, and blog sharing over the Internet. Customized themes and various selections are available for personalization. The Cooliris support delivers a dazzling 3D photo browsing effect.

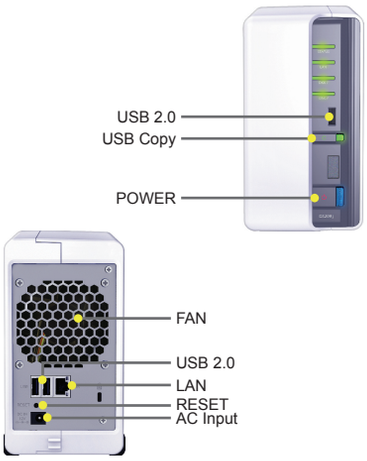
Eco Friendly

Synology Disk Station is designed and developed perpetually with the concept of energy saving. Compared with average PC counterparts, Synology Disk Station consumes a relatively low amount of power and hibernates when not in use. This not only helps to save energy but also extends the lifespan of the hard disk.

Synology Disk Station truly earns the title of "green product" because of the unique Scheduled Power On/Off feature, and the smart fan design effectively cools down the system with minimum power consumption, yet keeps the system quiet on operation.

Finally, all Synology products are produced with RoHS compliant parts and packed with recyclable packing materials. Synology recognizes its responsibility as a global citizen and is continually working to reduce the environmental impact of the products we create.

CONNECTIONS & BUTTONS



Technical Specifications

Hardware
- CPU: 266MHz, 32bit@133, with floating point
- Memory: 64MB
- Internal HDD[1]: 2X 3.5" SATA(II) or 2X 2.5" SATA(II)/ SSD using Synology Disk Holder Type B
- External HDD Interface: 3X USB 2.0 ports
- Size: 161mm X 218mm X 88mm
- Weight: 0.98kg
- LAN: 1X Gigabit
- Fan: 1X (70mmX70mm)
- Noise Level[2]: 24 dB(A)
- Power Recovery
- AC Input Power Voltage: 100V to 240V
- Power Frequency: 50Hz to 60Hz, Single Phase
- Max Internal Capacity[8]: 4TB (2x 2TB hard drives)
- Max Supported IP Camera #: 1
- Operating Temperature: 5°C to 35°C (40°F to 95°F)
- Storage Temperature: -10°C to 70°C (15°F to 155°F)
- Relative Humidity: 5% to 95%RH
- Maximum Operating Altitude: 10,000 feet

Power Consumption[3]
- 36 W (Access); 15 W (Hibernation)

Certification
- FCC Class B, CE Class B, BSMI Class B

Networking Protocols
- CIFS
- AFP (3.1)
- FTP
- NFS
- Telnet/SSH

Security
- Firewall
- Auto-Block
- "FTP over SSL (explicit)" or "FTP over TLS (explicit)"
- Encrypted Network Backup
- Encrypted rsync
- HTTPS Connection

File System
- EXT3
- FAT (External Disk Only)
- NTFS (External Disk Only)

File Sharing
- Max User Accounts: 128
- Max Groups: 64
- Max Shared Folder: 128
- Max Concurrent Connections (SAMBA, FTP, AFP): 32

Utilities
- Synology Assistant
- Synology Data Replicator 3
- Synology Download Redirector
- Add Printer Wizard

Applications
- Surveillance Station 3
- Photo Station 3
- File Station 2
- Audio Station
- Web Station
- PHP/MySQL
- Download Station 2
- iTunes Server

iPhone Applications
- DS photo
- DS audio

Packages
- Mail Station
- phpMyAdmin
- SqueezeCenter
- Webalizer

DLNA/UPnP Media Server Support
- DLNA Certified
- Sony PS3, Microsoft Xbox360
- Audio Format: AAC, FLAC, M4A, MP3, Ogg Vorbis, PCM, WAV, WMA, WMA VBR, WMA PRO, WMA Lossless
- Video Format: 3GP, 3G2, ASF, AVI, DAT, DivX, DVR-MS, ISO, M2T, M2TS, M4V, MKV, MP4, MPEG1, MPEG2, MPEG4, MTS, MOV, QT, SWF, TP, TRP, TS, VOB, WMV, XviD
- Image Format: BMP, JPG (jpe, jpeg), GIF, ICO, PNG, PSD, TIF (tiff), UFO
- Playlist Format: WPL, M3U

iTunes Server Support
- Audio Format: MP3, M4A, M4P, WAV[4], AIF[4]
- Video Format: M4V, MOV, MP4
- Playlist Format: M3U, WPL

Audio Station Support
- USB Mode: (Audio) AAC, FLAC, M4A, MP3, Ogg Vorbis, WMA, WMA VBR (Playlist) M3U, WPL (Internet Radio) SHOUTcast, Radioio
- Streaming Mode: (Audio) MP3 (Playlist) M3U, WPL

Photo Station 3 Support
- Video Format[9]: 3G2, 3GP, ASF, AVI, DAT, DivX, FLV, M4V, MOV, MP4, MPEG, MPG, QT, WMV, XviD, RM[5], RMVB[5], VOB[5]
- Image Format: BMP, JPG (jpe, jpeg), GIF

Management
- AJAX-based Management UI
- Sub-folder Privileges Setting
- User Home
- Applications privileges Setting
- BitTorrent Port Range Setup
- BitTorrent DHT Support
- Changing Management UI Ports
- CIFS Recycle Bin
- Download Station Bandwidth control
- Download Station Port Range Setup
- Editable HTTP Error Page
- Email Alert Message
- Email Notification for New User
- Package Management
- External HDD Hibernation (eSATA, USB)
- Scheduled Power On/Off
- Firmware Upgrade
- FTP passive port range
- Hide-able Shared Folder
- Internal HDD Hibernation
- Removable Default Shared Folder
- System Temperature
- DDNS
- PPPoE
- Resource Monitor
- SMS Notification
- SNMP
- UPS Management (Over USB 2.0)
- User Quota
- Web-based Download Station 2

RAID/Storage Management
- Volume Type: Basic, JBOD, RAID 0, RAID 1
- Upgrade from Basic to RAID 1
- Expand RAID 1 with Larger Hard Drives
- iSCSI

Backup Solutions
- Network Backup
- Local Backup
- Desktop Backup (using Synology Data Replicator 3)
- Time Machine Backup (Mac)
- 3rd-Party Backup Support

Supported Clients
- Windows 2000 onward
- Mac OS X 10.3 onward
- Linux

Supported Browsers
- Internet Explorer 6, 7
- Internet Explorer 8
- Firefox 3
- Firefox 3.5
- Safari 3 (Mac)
- Safari 4 (Mac)

Supported Mobile Devices (Photo Station, File Station)
- iPhone OS 2.2.1 and onward
- Windows Mobile (IE Mobile or Opera 9.0 onward)
- Symbian OS 9.1, S60 3rd Edition onward

Printer Support[6]
- Max Printer #: 2
- Supported Protocols: LPR, CIFS, AppleTalk

Languages
- English, German, French, Italian, Spanish, Danish, Norwegian, Swedish, Dutch, Russian, Japanese, Korean, Czech, Polish, Traditional Chinese, Simplified Chinese, Portuguese (Brazil), Portuguese (European), Turkish, and Hungarian

Environment
- RoHS Compliant

Package Content
- DS209j Main Unit
- Installation CD
- Welcome Note
- Assembling Kit
- AC Power Adapter
- AC Power Cord
- 2M RJ-45 LAN Cable
- SATA Hard Drive Power Cable X2
- SATA Hard Drive Data Cable X2

(1) Hard drive not included.
(2) FAN only. Measured at 2300~6200RPM, varied among models. More details about dB(A) value, check http://www.quietnoise.com/facts.htm
(3) Measured with 2 Seagate 750GB ST3750640NS hard drive. The figures could vary on different environments.
(4) The music can be streamed, but the metadata (ex:title, album) may not be indexed on the iTunes.
(5) User can click and download the file, but not play it in Photo Station as compressed Flash video.
(6) For Mac users, DS209j supports PostScript USB printers only.
(7) 1 free license to install 1 IP camera. Additional licenses can be purchased to expand the license quota.
(8) The actual capacity will differ according to volume types.
(9) AC3, AMR, DTS, RV30, RV40, WMA3 codec are not supported.

Networking

SYNOLOGY INC.

Founded in 2000, Synology is a young and energetic company dedicated to developing high-performance, reliable, versatile, and environmentally-friendly Network Attached Storage (NAS) products. Our goal is to deliver user-friendly solutions and solid customer service to satisfy the needs of businesses, home offices, individual users and families.

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